

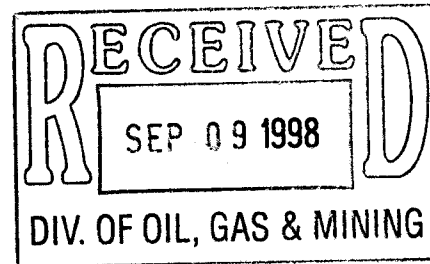
M/035/002

Kennecott Utah Copper Corporation  
8315 West 3595 South  
P.O. Box 6001  
Magna, Utah 84044-6001  
(801) 252-3000

**Kennecott**

September 9, 1998

Ms. Mary Ann Wright  
Associate Director of Mining  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801



**RE: Transmittal of Outline for 1998 Update of Closure Plan for Permit Number M/035/002**

Dear Ms. Wright:

Attached is a detailed outline for the 1998 Update of the Closure Plan for Permit Number M/035/002. Kennecott intends to submit the completed closure plan to DOGM by October 30, 1998.

This plan is not required by any of Kennecott's current DOGM permits and will be provided as a courtesy for your review.

The original reclamation plan for Permit Number M/035/002 was submitted in 1976. This new document is intended to: 1) update where required the original plan to account for new site conditions, 2) describe subsequent closure plans that have already been submitted, 3) describe other permits and laws which will govern reclamation and closure, 4) present revised and refined closure strategies based upon the knowledge gained from 20 years of reclamation activities, and 5) identify data gaps that will have to be filled in the future before final closure options can be selected.

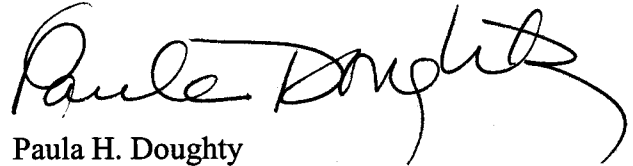
This updated closure plan will focus on those areas within the permit boundaries of M/035/002 which are not covered by subsequent closure plans. The document will set up a decision making framework that will be implemented over the next twenty or more years to select final closure options. Tentative closure actions will also be selected based upon present site conditions and the present level of knowledge about each area.

The plan will not contain a detailed description of current site conditions because this is provided in the "1998 Update on Mining Activities Conducted Under DOGM Permit Number M/035/002 that

was submitted on April 30, 1998. A second draft of this update will be submitted to DOGM on September 30, 1998.

If you have any questions or comments on this submittal please call me at 252-3257.

Sincerely,

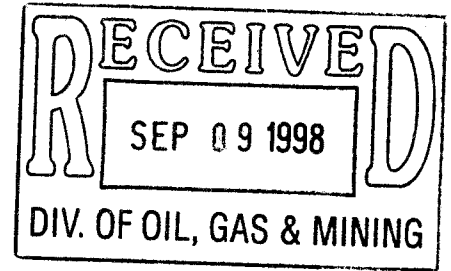
A handwritten signature in black ink, appearing to read "Paula H. Doughty". The signature is fluid and cursive, with a long, sweeping tail that extends to the right.

Paula H. Doughty  
Manager, Environmental Compliance

PHD/RB:lr

Attachment

**OUTLINE FOR 1998 UPDATE OF CLOSURE PLAN**  
**FOR PERMIT # M/035/002**



**1.0 INTRODUCTION**

**1.1 PERMIT NUMBER M/035/002 1976 RECLAMATION PLAN**

**1.2 SUBSEQUENT RECLAMATION PLANS**

1.2.1 Copperton Concentrator/Fourth Line Expansion Reclamation Plan

1.2.2 Tailing Pond Final Reclamation Plan

1.2.3 Pine Canyon Reclamation Plan

1.2.4 North Tailings Impoundment Expansion Reclamation Plan

**1.3 OTHER PERMITS AND LAWS GOVERNING RECLAMATION AND POST-CLOSURE LAND USE**

1.3.1 National Historical Site Registry for Bingham Pit

1.3.2 NRDC for Acid Plume

1.3.3 Groundwater Discharge Permits

1.3.4 UPDES Permit

1.3.5 Air Permits

1.3.6 CERCLA Sites

**1.4 1998 UPDATE OF MINING OPERATIONS**

**1.5 REPORT ORGANIZATION**

## **2.0 GENERAL CLOSURE STRATEGY**

### **2.1 RECLAMATION TIMING**

### **2.2 SELECTION OF RECLAMATION ACTIONS**

#### **2.2.1 Legal Requirements**

#### **2.2.2 Environmental Impacts and Hazards**

#### **2.2.3 Possible Post-Closure Land Uses**

#### **2.2.4 Reclamation Strategy**

#### **2.2.5 Data Gaps**

#### **2.2.6 Tentative Reclamation Action**

### **2.3 RECLAMATION OF BUILDINGS AND STRUCTURES**

## **3.0 MINE AREA**

### **3.1 CLOSURE ISSUES**

### **3.2 POSSIBLE POST-CLOSURE LAND USE**

### **3.3 RECLAMATION STRATEGY**

### **3.4 SELECTED ACTION**

## **4.0 MINE WASTE DISPOSAL AREA**

### **4.1 CLOSURE ISSUES**

4.2 POSSIBLE POST-CLOSURE LAND USE

4.3 RECLAMATION STRATEGY

4.4 SELECTED ACTION

**5.0 EXCESS MINE WATER DISPOSAL AREA**

5.1 COMPLETED RECLAMATION PROGRAM

5.2 POST-CLOSURE LAND USE

**6.0 ORE PROCESSING FACILITIES AREA**

6.1 CLOSURE ISSUES

6.2 POSSIBLE POST-CLOSURE LAND USE

6.3 RECLAMATION STRATEGY

6.4 SELECTED ACTION

**7.0 TAILINGS DISPOSAL AREA**

**8.0 EXCESS PROCESS WATER DISPOSAL AREA**

8.1 CLOSURE ISSUES

8.2 POSSIBLE POST-CLOSURE LAND USE

### **8.3 RECLAMATION STRATEGY**

### **8.4 SELECTED ACTION**

## **9.0 CERCLA SITES**

## **10.0 FUTURE AND ON-GOING RESEARCH IN SUPPORT OF CLOSURE**

## **11.0 REFERENCES**